

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

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Application Serial Number: 10/549,352B
Source: IFWP
Date Processed by STIC: 2/1/07

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

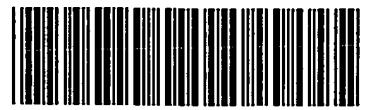
Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/549,352B

DATE: 02/01/2007

TIME: 12:22:39

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3 <110> APPLICANT: DRAKE, Caroline Rachel
 4 PAINE, Jacqueline Ann Mary
 5 SHIPTON, Catherine Ann
 7 <120> TITLE OF INVENTION: Enhanced Accumulation of Carotenoids in Plants
 9 <130> FILE REFERENCE: 70237USPCT
 11 <140> CURRENT APPLICATION NUMBER: US 10/549,352B
 12 <141> CURRENT FILING DATE: 2005-09-14
 14 <150> PRIOR APPLICATION NUMBER: PCT/GB2004/001241
 15 <151> PRIOR FILING DATE: 2004-03-24
 17 <150> PRIOR APPLICATION NUMBER: US60/457,053
 18 <151> PRIOR FILING DATE: 2003-03-22
 20 <160> NUMBER OF SEQ ID NOS: 38
 22 <170> SOFTWARE: PatentIn version 3.2
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 25 <211> LENGTH: 5630
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 27 <213> ORGANISM: Artificial Sequence
 29 <220> FEATURE:
 30 <222> LOCATION: 1-839
 31 <223> OTHER INFORMATION: Oryza sp.
 33 <220> FEATURE:
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 35 <223> OTHER INFORMATION: Intron from catalase gene
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 39 <223> OTHER INFORMATION: Pisum sativum
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 43 <223> OTHER INFORMATION: Erwinia crtI
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 46 <222> LOCATION: 2763-3016
 47 <223> OTHER INFORMATION: Agrobacterium tumefaciens
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 58 <222> LOCATION: 4124-5356
 59 <223> OTHER INFORMATION: Zea mays
 61 <220> FEATURE:
 62 <222> LOCATION: 5377-5630

see pp 1,4
 Does Not Comply
 Corrected Diskette Needed

entire sequence needs explanation;
 therefore, what is the
 source for nucleotides

840-862?

1053-1092?

2743-2762?

3017-3031?

3891-3893?

4084-4123?

5357-5376?

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63 <223> OTHER INFORMATION: Agrobacterium tumefaciens

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70	acaatatcat	gagtaatgtg	tgagcattat	gggaccacga	aataaaaaga	acattttgat	180	
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78	agtatctca	gctaaatgtt	agaacataaa	cccataagtc	acgtttgatg	agtattaggc	420	
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92	cacgatgatt	tctcattgtt	tctcacaaaa	agcattcagt	tcattagttc	tacaacaacg	840	
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100	tcgtgtgtct	ttgatcatct	tgatagttac	agaaccgtcg	actctagaga	agccatttaa	1080	
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178	ctcaaccttat	tcattctac	tcatctacat	aagtatctc	agctaaatgt	tagaacataa	3420	
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/549,352B

DATE: 02/01/2007
TIME: 12:22:39

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 261 <222> LOCATION: 1-839
 262 <223> OTHER INFORMATION: Oryza sp.
 264 <220> FEATURE:
 265 <222> LOCATION: 863-1052
 266 <223> OTHER INFORMATION: Intron from catalase gene
 268 <220> FEATURE:
 269 <222> LOCATION: 1093-1263
 270 <223> OTHER INFORMATION: Pisum sativum
 272 <220> FEATURE:
 273 <222> LOCATION: 1264-2742
 274 <223> OTHER INFORMATION: Erwinia crtI
 276 <220> FEATURE:
 277 <222> LOCATION: 2763-3016
 278 <223> OTHER INFORMATION: Agrobacterium tumefaciens
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 281 <222> LOCATION: 3032-3870
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what about nucleotides at locations
 840-862?
 1053-1092?
 2743-2762?
 3017-3031?
 3871-3893?
 4084-4123?
 5357-5376?

Please correct these
types of errors in
subsequent
sequences.

60
120
180
240
300
360
420
480
540
600
660
720
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840
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960
1020
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403	tgggaccacg aaataaaaag aacatttttttgcattt tgatgttgcattt atcctcgatg agcctcaaaa	3240
405	gttctctcac cccggataag aaaccctttaa gcaatgtgc acgtttgcattt tctccactga	3300
407	cataatgcac aataagatata catcgatgac atgcacactc atgcacatata tcacatgttgc	3360
409	ctcaaccttat tcatttcttac tcatttcatat aagtatctt acgtttatgt tagaacataaa	3420
411	accataatgtt ctcgttttgcattt gatgttgcattt acgtttatgtt tagaacataaa	3480
413	aagataaaagg aaaatgttgcattt gatgttgcattt acgtttatgtt tagaacataaa	3540
415	aggagagctt ataagacaag gcatgactca caaaaattca tttgccttc gtgtcaaaaa	3600
417	gaggagggctt ttacatttac catgttgcattt tgcaaaaaggaa agagagaaaag aacaacacaa	3660
419	tgctgcgtca attatacata tctgttatgtc catcatttgcattt acgtttatgtt tagaacataaa	3720
421	cacttcatat atcatgttgcattt acgtttatgtt tagaacataaa	3780
423	agatgcacaa gccttattttt cactataat gcacgtatgtt ttctcattttt ttctcaca	3840
425	aagcatttgcattt ttcccttgcattt ttcttgcattt acgtttatgtt tagaacataaa	3900
427	tcttagttttt ttcccttgcattt ttcttgcattt acgtttatgtt tagaacataaa	3960
429	tttgcattt ttcccttgcattt ttcttgcattt acgtttatgtt tagaacataaa	4020
431	tagcttaac tgataatcttgcattt acgtttatgtt tagaacataaa	4080

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/549,352B

DATE: 02/01/2007

TIME: 12:22:40

Input Set : F:\70237USPCT Substitute Seq List II.txt
Output Set: N:\CRF4\02012007\J549352B.raw